2008 Southern Wildland Urban Interface
Grant Program
Type of Grant: Fire: Fuel Models

1.	State Submitting Project		Oklahoma
	State Priority		8
	Requested Grant Amount		$150,000
		Name	Oklahoma Department of Agriculture, Food, and Forestry
		Address	P.O. Box 528804 Oklahoma City, OK 73152
		Phone	405-522-6146
		E-Mail	mgoeller@oda.state.ok.us
	NIMS Certification		**The State of Oklahoma has adopted NIMS and the use ICS in their day-to-day emergency operations. Certified By:_____**
	Is this a Community Protection Grant?		**_____ _____ Yes No**
	Coordination Certification for Community Protection Funds (Steven's Funds) only		**We, the (forest name) National Forest have coordinated with the State of (state name) and determined the fuel treatments to be beneficial to the National Forest hazardous fuels program.** **Certified By:_____** **U.S. Forest Service Official**
2.	Interface Community		
	Latitude		Longitude	
	Community Description		
	Statewide, where Wildland Urban Interface exists.		
	Hazard Description		
	Oklahoma has 12 ecoregions with have several cover-types. Oklahoma Department of Agriculture, Food, and Forestry currently use the standard fuel model to predict fire behavior for these cover-types. These cover-types are unique in their makeup in each ecoregion. To better predict fire behavior Oklahoma Department of Agriculture, Food and Forestry needs custom fuel models for each cover-type in each ecoregion. Presently, wildfire predictions are rough estimates of fire behavior that frequently do not represent actual fire behavior encountered on the fireline. This presents a safety issue for wildfire firefighters across Oklahoma and can make Operations planning on large wildfires inaccurate.		

3.		Project Summary	
	Project Type	☐ Hazard Fuel Reduction ☐ Homeowner & Community Action ☒ Information & Education	
	Project Description and Objectives.		
	Objectives are: Develop custom fuel models for cover-types by ecoregions occurring in Oklahoma. Produce, print and distribute pocketcards for each custom fuel model.		
4.	**How will this project affect people? –(Value Added) i.e. Landscape, Community safety, behavioral changes etc.**		
	This project by producing custom fuel models for Oklahoma will result in safer and more efficient wildfire suppression actions.		
5.	**How many people and homes will this project affect? Describe.**		
	This project will affect communities statewide as the custom fuel models are used to make safer and more efficient fire suppression decisions. This projects product, custom fuel models, will be shared with adjacent states having the same ecoregions resulting in improvements in similar affects in those states where ecoregions are shared.		
6.	**Project Design**		
	Give a detailed description of the project steps and activities to achieve objectives.		
	1. **Identify personnel with qualifications to conduct project and assign duties** 2. **Identify and map (GIS) the cover types in each ecoregion that will have fuel models developed** 3. **Gather fuel measurements for two years** 4. **Develop custom fuel models** 5. **Verify fire behavior to fuel models where possible** 6. **Adjust fuel models based on verification of predictions** 7. **Publish fuel models and pocketcards**		

	Time line of major milestones & accomplishments.
	Immediately following grant award

	1. **Identify personnel with qualifications to conduct project and assign duties**
	    2. **Identify and map (GIS) the cover types in each ecoregion that will have fuel models developed**
	12 months following grant award
	    3. **Gather fuel measurements**
	18 months after grant award
	    4. **Develop custom fuel models**
	    5. **Verify fire behavior to fuel models where possible**
	    6. **Adjust fuel models based on verification of predictions**
	    7. **Publish fuel models and pocketcards**
	    8. **Map location of each fuel model using available land cover information**
	    9. **Add data layer to SWRA**

	Why were these activities chosen?
	These activities will result in a better information base to make fire suppression decisions resulting in safer and more efficient fire suppression. The new fuel models will also be added to the Southern Wildfire Risk Assessment (SWRA) data layers resulting in increased accuracy of the SWRA results.
7.	**Name all private, local, tribal, state and federal organizations involved in this project.**
	Organizations expected to be involved include the Oklahoma Department of Agriculture, Food, and Forestry; DOI- Bureau of Indian Affairs; Rural Fire Coordinators; various Municipal and Rural Fire Departments and community governments; the Native American Tribes of Oklahoma; Texas Forest Service; and Arkansas Forestry Commission.
8.	**Project Evaluation. (Criteria for evaluating performance through measurable outcomes)**
	This project will be evaluated by: **Publishing and mapping of custom fuel models for Oklahoma.** **Publishing pocketcards for each custom fuel model for Oklahoma.** **Sharing of the Fuel Models with adjoining states.**

9.	**Portability: Describe how this project can be a template to be applied successfully in other areas. (Internally and Externally)**
	The methodology of developing custom fuel models based on field measurements is already an established methodology. Any state could adopt the methodology to develop custom fuel models for all the ecoregion cover-types for their state.

10.	**How will this proposal help accomplish the SGSF Fire Management Goals and meet the National Criteria for 2006?**
	This proposal will demonstrate the State Forester's leadership in safe and efficient wildfire suppression operations, by insuring a base to make solid wildfire suppression decisions..

This Grant addresses Wildland Fire and Forest Fuels on Private and State Lands Objective 1. Firefighter and public safety. Action C. Identify and then mitigate the three primary risk factors to wildland firefighters, that address SGSF Implementation Plan Goal 3.5.a - Create an educational initiative to address high-risk conditions in the interface.

It addresses National Theme: Enhance Public Benefits Associated with Trees and Forests. Key Strategy 3, enhancing community fire protection capabilities.

It will be accountable, as the costs will be tracked specifically for project purposes. |

Detailed budget by organization (include donated services and supplies)								
Project Income Sources								
Organization*	Grant	State						**Total**
Dollars	150,000							150,000
Donations								
In Kind Services		150,000						150,000
Total	150,000	150,000						300,000

*Organization examples: Home Owners, Local Gov., Tribes, State, Federal, etc. List actual names in the column headings.